查询2N7000K供应商

ALTERNATOR DIODE FOR AUTOMOTIVE APPLICATION.

FEATURES

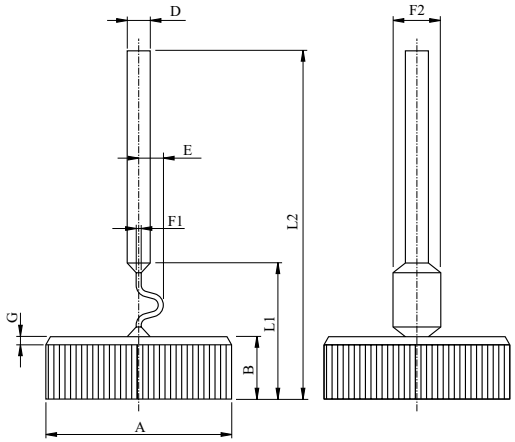
· Average Forward Current : I_O=35A.

· Zener Voltage : 21V(Typ.)

POLARITY

E35A21VPS (+ Type)

E35A21VPR (- Type)



DIM	MILLIMETERS	DIM	MILLIMETERS
A	Φ11.7+0.1/-0	F1	0.32
B	3.85+0/-0.2	F2	3.1
D	Φ1.45±0.1	G	0.5
E	1.55	L1	8.4 MAX

DIM	TYPE	POLARITY	MILLIMETERS
L2	S	▼	17.5+0/-1.5
	R	▲	21.5+0/-1.5

H-PF

MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Average Forward Current	$I_{F(AV)}$	35	A
Peak 1 Cycle Surge Current	I_{FSM}	300 (60Hz)	A
Repetitive Peak Reverse Surge Current (Pulse width=10mS)	I_{RSM}	35	A
Transient Peak Reverse Voltage	V_{RSM}	18	V
Peak Reverse Voltage	V_{RM}	16	V
Junction Temperature	T_j	-40 ~200	℃
Storage Temperature Range	T_{stg}	-40 ~200	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_F	I_{FM}=100A	-	-	1.10	V
Zener Voltage	V_Z	I_Z=10mA	19	21	23	V
Reverse Current	I_R	V_R=17V	-	-	10	μA
Transient Thermal Resistance	ΔV_F	I_{FM}=100A, I_M=100mA, Pw=100mS	-	-	130	mV
Reverse Leakage Current Under High Temperature	HI_R	Ta=150 ℃, V_R=17V	-	-	2.5	mA
Temperature Resistance	R_{th}	DC total junction to case	-	0.83	-	℃/W